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1. Document ID: US 5704371 A,  
Relevance Rank: 99

Entry 1 of 1 File:DERWENT November 2, 1998

DERWENT-ACC-NO: 1998-085778

DERWENT-WEEK: 199808

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## TITLE:

Medical history documentation system - has transcriber which is responsive to encoded indicia to provide at least one report section template corresponding to discrete recording section for its associated designated condition

INVENTOR:SHEPARD, F

PATENT-ASSIGNEE: SHEPARD F[ SHEPI]

PRIORITY-DATA: 1996US-0611642 (March 6, 1996)

## PATENT-FAMILY:

| PUB-NO       | PUB-DATE        | LANGUAGE | PAGES | MAIN-IPC |
|--------------|-----------------|----------|-------|----------|
| US 5704371 A | January 6, 1998 | N/A      | 034   | G06F 015 |

## APPLICATION-DATA:

| PUB-NO      | APPL-DESCRIPTOR | APPL-NO        | APPL-DATE     |
|-------------|-----------------|----------------|---------------|
| US 5704371A | N/A             | 1996US-0611642 | March 6, 1996 |

IPC: G06F015/42

ABSTRACTED-PUB-NO:US 5704371A

BASIC-ABSTRACT:The system includes a pre-printed form with a number of recording sections. Each one of the number of recording sections is assigned as a discrete recording section for a designated condition in a selected printed format for recording information relating to its associated

designated condition. A recording device records on the pre-printed format and in the appropriate discrete recording section one of a predetermined encoded indicia representing information developed for a designated condition. An input member is responsive to the recording device to record information specific to the designated condition communicated to the recording device. The information is recorded in the form of encoded indicia in at least one discrete recording section of the input member. A transcriber is responsive to the encoded indicia to provide at least one report section template corresponding to the discrete recording section for its associated designated condition. The report section includes optional text variable segments each of which are assigned to one of the predetermined encoded indicia. ADVANTAGE - has comparator that compares recorded data with encoded indicia recorded to ensure accuracy and validity of relevant information.

CHOSEN-DRAWING:Dwg.1/37

TITLE-TERMS:

MEDICAL HISTORY DOCUMENT SYSTEM TRANSCRIBING RESPOND ENCODE INDICIA ONE REPORT SECTION TEMPLATE CORRESPOND DISCRETE RECORD SECTION ASSOCIATE DESIGNATED CONDITION

DERWENT-CLASS: T01

EPI-CODES: T01-J06A1; T01-J11D;

Non-CPI Secondary Accession Numbers:N1998-068158

| Full | Citation | Review | Classification | Date | Reference |
|------|----------|--------|----------------|------|-----------|
|------|----------|--------|----------------|------|-----------|

| Term   | Documents |
|--|-----------|
| record\$ and report\$ and (information\$ or document\$) and encod\$ and (indicia or transcrib\$) | 1         |

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Starting At:

1

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Search Results - Record(s) 1 through 2 of 2 returned.

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1. Document ID: US 5704371 A,  
Relevance Rank: 99

Entry 2 of 2 File:DERWENT November 2, 1998

DERWENT-ACC-NO: 1998-085778

DERWENT-WEEK: 199808

COPYRIGHT 1998 DERWENT INFORMATION LTD

**TITLE:**

Medical history documentation system - has transcriber which is responsive to encoded indicia to provide at least one report section template corresponding to discrete recording section for its associated designated condition

INVENTOR:SHEPARD, F

PATENT-ASSIGNEE: SHEPARD F[ SHEPI]

PRIORITY-DATA: 1996US-0611642 (March 6, 1996)

**PATENT-FAMILY:**

| PUB-NO       | PUB-DATE        | LANGUAGE | PAGES | MAIN-IPC |
|--------------|-----------------|----------|-------|----------|
| US 5704371 A | January 6, 1998 | N/A      | 034   | G06F 015 |

**APPLICATION-DATA:**

| PUB-NO      | APPL-DESCRIPTOR | APPL-NO        | APPL-DATE     |
|-------------|-----------------|----------------|---------------|
| US 5704371A | N/A             | 1996US-0611642 | March 6, 1996 |

IPC: G06F015/42

ABSTRACTED-PUB-NO:US 5704371A

BASIC-ABSTRACT:The system includes a pre-printed form with a number of recording sections. Each one of the number of recording sections is assigned as a discrete recording section for a designated condition in a selected printed format for recording information relating to its associated

designated condition. A recording device records on the pre-printed format and in the appropriate discrete recording section one of a predetermined encoded indicia representing information developed for a designated condition. An input member is responsive to the recording device to record information specific to the designated condition communicated to the recording device. The information is recorded in the form of encoded indicia in at least one discrete recording section of the input member. A transcriber is responsive to the encoded indicia to provide at least one report section template corresponding to the discrete recording section for its associated designated condition. The report section includes optional text variable segments each of which are assigned to one of the predetermined encoded indicia. ADVANTAGE - has comparator that compares recorded data with encoded indicia recorded to ensure accuracy and validity of relevant information.

CHOSEN-DRAWING:Dwg.1/37

TITLE-TERMS:

MEDICAL HISTORY DOCUMENT SYSTEM TRANSCRIBING RESPOND ENCODE INDICIA ONE REPORT SECTION TEMPLATE CORRESPOND DISCRETE RECORD SECTION ASSOCIATE DESIGNATED CONDITION

DERWENT-CLASS: T01

EPI-CODES: T01-J06A1; T01-J11D;

Non-CPI Secondary Accession Numbers:N1998-068158

| Full | Citation | Review | Classification | Date | Reference |
|------|----------|--------|----------------|------|-----------|
|------|----------|--------|----------------|------|-----------|

2. Document ID: JP 09284701 A,

Relevance Rank: 97

Entry 1 of 2

File:DERWENT

November 2, 1998

DERWENT-ACC-NO: 1998-026226

DERWENT-WEEK: 199803

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TITLE:

Teletext receive for broadcasting programmes like news, weather report, traffic information, sight-seeing guide, teleshopping, questionnaire re for viewers - has selection unit which selects encoder output in state where minimum character data exist and transmits it to videotape recording terminal

PATENT-ASSIGNEE: TOSHIBA KK[ TOKE]

PRIORITY-DATA: 1996JP-0086684 (April 9, 1996)

## PATENT-FAMILY:

| PUB-NO        | PUB-DATE         | LANGUAGE | PAGES | MAIN-IPC |
|---------------|------------------|----------|-------|----------|
| JP 09284701 A | October 31, 1997 | N/A      | 005   | H04N 001 |

## APPLICATION-DATA:

| PUB-NO      | APPL-DESCRIPTOR | APPL-NO        | APPL-DATE     |
|-------------|-----------------|----------------|---------------|
| JP09284701A | N/A             | 1996JP-0086684 | April 9, 1996 |

IPC: H04N005/7826; H04N005/91 ; H04N007/025 ; H04N007/03 ; H04N007/035

ABSTRACTED-PUB-NO:JP09284701A

BASIC-ABSTRACT:The receiver receives character data multiplexed with video and audio signal which are included in TV-broadcasting signal. A video signal processor extracts the video signal included in the received TV signal. A decoder regenerates the multiplexed character data in the broadcast signal. The video signal output from video signal processor and character data from decoder, are synthesised by a synthesiser. An encoder converts the video signal in synthesiser to NTSC signal. A selection unit selects output of encoder and received broadcast signal. A command, based on regeneration character data in decoder, is selected and is given to the selection unit by a control unit. The encoder output is chosen with selection unit in a state where minimum character data exists. Either the video signal or encoder output, as chosen by the selection unit, is transmitted to video tape recording terminal. ADVANTAGE - Facilitates video recording of received teletext.

CHOSEN-DRAWING:Dwg.1/1

## TITLE-TERMS:

TELETEXT RECEIVE BROADCAST PROGRAMME NEWS WEATHER REPORT TRAFFIC INFORMATION  
SIGHT GUIDE QUESTIONNAIRE VIEW SELECT UNIT SELECT ENCODE OUTPUT STATE  
MINIMUM CHARACTER DATA EXIST TRANSMIT RECORD TERMINAL

DERWENT-CLASS: W03 W04

EPI-CODES: W03-A10X; W03-A18C; W04-B10B; W04-B10C; W04-F01K;

Non-CPI Secondary Accession Numbers:N1998-020767

| Full | Citation | Review | Classification | Data | Reference |
|------|----------|--------|----------------|------|-----------|
|------|----------|--------|----------------|------|-----------|

| Term  | Documents |
|---|-----------|
| record\$ and report\$ and (information\$ or document\$) and<br>encod? | 2         |

(FILE 'USPAT' ENTERED AT 10:51:21 ON 02 NOV 1998)

L1           QUE DOCUMENT? OR INFORMATION#  
L2           QUE RECORD?  
L3           QUE REPORT?  
L4           QUE INDICI?  
L5           QUE TRANSCRIB?  
L6           QUE INPUT?  
L7           QUE TEMPLAT?  
L8           QUE COMPUT?  
L9           QUE ENCOD? OR DECOD?  
L10          655 S L9 AND L3 AND L1 AND L2 AND L4  
L11          655 S L10 AND L9  
L12          QUE L5 OR (SHORT(W)HAND)  
L13          21 S L10 AND L12  
L14          9 S L13 AND (L9 (P) L4)  
L15          1 S L14 AND (L9 (P) L4 (P) L5)  
              SET HIGH OFF  
L16          1 S 5704371/PN  
              SET HIGH ON  
L17          1 S L16 AND (L12 (P) L4)  
              SAVE -L17

(FILE 'USPAT' ENTERED AT 09:38:10 ON 02 NOV 1998)

L1 1 S 5704371/PN  
L2 QUE DOCUMENT# OR INFORMATION#  
L3 QUE RECORD?  
L4 QUE REPORT?  
L5 QUE INDICI?  
L6 QUE TRANSCRIB?  
L7 QUE ENCOD? OR DECOD?  
L8 9167 S L2 AND L3 AND L4 AND L7  
L9 QUE INPUT?  
L10 QUE FORM?  
L11 QUE COMPAR?  
L12 QUE TEMPLAT?  
L13 QUE COMPUT?  
L14 QUE L13 OR ?PROCESS?  
L15 4423 S L8 AND L9 AND L13 AND L13 AND (PROCESSOR# OR MICRO(W) PRO  
CES  
L16 232 S 128/897,710/CCLS  
L17 0 S 364/413.02,413.04,413.14,419.14/CCLS  
L18 1 S 4991091/PN  
L19 1 S 5267155/PN  
L20 366 S L15 AND L12 AND L11  
L21 1 S L20 AND L5 AND L6

=> s 12 and 15 and 13 and 14

COMMAND INTERRUPTED

REENTER FILE 'USPAT'

AND TRY AGAIN, OR ENTER '?' FOR MORE INFORMATION.

=> s 18 and 15

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

ACT MEDICAL1/L

```

L3      QUE  PLU=ON  DOCUMENT? OR INFORMATION#
L4      QUE  PLU=ON  RECORD?
L5      QUE  PLU=ON  REPORT?
L6      QUE  PLU=ON  INDICI?
L7      QUE  PLU=ON  TRANSCRIB?
L8      QUE  PLU=ON  INPUT?
L9      QUE  PLU=ON  TEMPLAT?
L10     QUE  PLU=ON  COMPUT?
L11     QUE  PLU=ON  ENCOD? OR DECOD?
L12 (    655)SEA FILE=USPAT PLU=ON  L11 AND L5 AND L3 AND L4 AND L6
L13 (    655)SEA FILE=USPAT PLU=ON  L12 AND L11
L14     QUE  PLU=ON  L7 OR (SHORT(W)HAND)
L15 (    21)SEA FILE=USPAT PLU=ON  L12 AND L14
L16 (     9)SEA FILE=USPAT PLU=ON  L15 AND (L11 (P) L6)
L17 (     1)SEA FILE=USPAT PLU=ON  L16 AND (L11 (P) L6 (P) L7)
L18 (     1)SEA FILE=USPAT PLU=ON  5704371/PN
L19 (     1)SEA FILE=USPAT PLU=ON  L18 AND (L14 (P) L6)
L20 (    120)SEA FILE=USPAT PLU=ON  600/301/CCLS
L21 (     62)SEA FILE=USPAT PLU=ON  128/920/CCLS
L22 (    1084)SEA FILE=USPAT PLU=ON  345/33,87,179,352/CCLS
L23 (    16891)SEA FILE=USPAT PLU=ON  364/222.81,222.82,224.5,224.6,225,2
25.
L24 (    366)SEA FILE=USPAT PLU=ON  707/540,522,530,539/CCLS
-----
L25     413 S 707/540,522,530,539/CCLS
L26    1218 S 345/33,87,179,352,961/CCLS
L27     124 S 600/301/CCLS
L28     QUE  MEDIC?
L29     1 S (L28 (P) L5 (P) L9 (P) L11) AND L6
L30     1 S (L7 (P) L11 (P) L6 (P) L9) AND L28
L31     1 S L7 (P) L11 (P) L6 (P) L9
L32     2 S (L9 (P) L28) AND (L11 (P) L6) AND SEGMENT#
L33    290 S 395/117/CCLS
L34    127 S 707/500/CCLS
L35     2 S (L9 (P) L28) AND (L11 (P) L6)

```

=>





ACT MEDICAL1/L

```

L3      QUE PLU=ON DOCUMENT? OR INFORMATION#
L4      QUE PLU=ON RECORD?
L5      QUE PLU=ON REPORT?
L6      QUE PLU=ON INDICI?
L7      QUE PLU=ON TRANSCRIB?
L8      QUE PLU=ON INPUT?
L9      QUE PLU=ON TEMPLAT?
L10     QUE PLU=ON COMPUT?
L11     QUE PLU=ON ENCOD? OR DECOD?
L12 (    655)SEA FILE=USPAT PLU=ON L11 AND L5 AND L3 AND L4 AND L6
L13 (    655)SEA FILE=USPAT PLU=ON L12 AND L11
L14     QUE PLU=ON L7 OR (SHORT(W)HAND)
L15 (    21)SEA FILE=USPAT PLU=ON L12 AND L14
L16 (     9)SEA FILE=USPAT PLU=ON L15 AND (L11 (P) L6)
L17 (     1)SEA FILE=USPAT PLU=ON L16 AND (L11 (P) L6 (P) L7)
L18 (     1)SEA FILE=USPAT PLU=ON 5704371/PN
L19 (     1)SEA FILE=USPAT PLU=ON L18 AND (L14 (P) L6)
L20 (    120)SEA FILE=USPAT PLU=ON 600/301/CCLS
L21 (     62)SEA FILE=USPAT PLU=ON 128/920/CCLS
L22 (    1084)SEA FILE=USPAT PLU=ON 345/33,87,179,352/CCLS
L23 (    16891)SEA FILE=USPAT PLU=ON 364/222.81,222.82,224.5,224.6,225,2
25.
L24 (    366)SEA FILE=USPAT PLU=ON 707/540,522,530,539/CCLS
-----
L25     413 S 707/540,522,530,539/CCLS
L26     1218 S 345/33,87,179,352,961/CCLS
L27     124 S 600/301/CCLS
L28     QUE MEDIC?
L29     1 S (L28 (P) L5 (P) L9 (P) L11) AND L6
L30     1 S (L7 (P) L11 (P) L6 (P) L9) AND L28
L31     1 S L7 (P) L11 (P) L6 (P) L9

```

=> s (l9 (p) l28) and (l11 (p) l6) and segment#

```

      25029 TEMPLAT?
      142287 MEDIC?
      245 L9 (P) L28
      101752 ENCOD?
      100871 DECOD?
      46334 INDICI?
      2141 L11 (P) L6
      225820 SEGMENT#
L32     2 (L9 (P) L28) AND (L11 (P) L6) AND SEGMENT#

```

=> d 1-2

1. 5,704,371, Jan. 6, 1998, Medical history documentation system and method; Franziska Shepard, 128/897 [IMAGE AVAILABLE]

2. 5,621,864, Apr. 15, 1997, Label generation apparatus; Daniel A. Benade, et al., 395/117; 707/500 [IMAGE AVAILABLE]

```

FFD873D E4DF81C 565F4C5F 4F492452 4F460A00 01FB53D FC1C4653 5F455449 ITE SF I'S ..FOR$IO_L_V..?0..
524F460A 00020113 01FB0002 78D0E4DF F81C525F 4C5F4F49 24524F46 0A0001FB ..FOR$IO_L_R..?X..?0..FOR
F08730E6 DFF81C52 5F4C5F4F 4924524F F887DFFC 1C525F4C 5F4F4924 $IO_L_R..?..FOR$IO_L_R..?0..
5F4C5F4F 4924524F 460A0001 F886DFFC 1C525F4C 5F4F4924 524F460A 0001FBFF ..FOR$IO_L_R..?..FOR$IO_L_R..?0..
F80004F1 A0E4DF8 1C525F4C 5F4F4924 0001FB84 DFFC1C52 524F460A 0001FB8F R..?..FOR$IO_L_R..?..FOR$IO_L_R..?0..
1C525F4C 5F4F4924 524F460A 0001FB84 DFFC1C52 524F460A 0000FBFF ..FOR$IO_L_R..?..FOR$IO_L_R..?0..
F802DDFC 0052F71C 000927C0 0306D0FF 1C46535F 45544924 524F460A 0000FBFF ..FOR$IO_L_R..?..FOR$IO_L_R..?0..
52D55301 0052F71C 000927C0 0306D0FF 1C46535F 45544924 524F460A 0000FBFF ..FOR$IO_L_R..?..FOR$IO_L_R..?0..
4F492452 4F460A00 01FB84DF 0155FA1C 0004F1A0 0A0001FB 85DFC1C 525F4C5F ..FOR$IO_L_R..?..FOR$IO_L_R..?0..
0A0000FB E45352F3 FA1C525F 4C5F4F49 24524F46 0A0001FB 85DFC1C 525F4C5F ..FOR$IO_L_R..?..FOR$IO_L_R..?0..
45554405 000002E5 00E90200 45434E45 55514553 08000817 01B00201 01444441 L..?..FOR$IO_L_R..?..FOR$IO_L_R..?0..
4F432405 48FC0000 00000200 45434E45 55514553 08000817 01B00201 01444441 L..?..FOR$IO_L_R..?..FOR$IO_L_R..?0..
4C41434F 4C240E00 00005801 89020841 54414450 4C4C4103 000927C4 02004544 DE..?..AL..DUE..?..FOR$IO_L_R..?..FOR$IO_L_R..?0..
02000C5C 1001B002 00534902 000E1960 17014555 44030002 904401BD 0200444D MD..?..D..DUE..?..FOR$IO_L_R..?..FOR$IO_L_R..?0..
08170144 4E455F4F 4924524F 460A0008 17014555 44030002 904401BD 0200444D MD..?..D..DUE..?..FOR$IO_L_R..?..FOR$IO_L_R..?0..
0B000817 01565F4C 5F4F4924 524F460A 00081701 525F4C5F 4F492452 4F460A00 ..FOR$IO_L_R..?..FOR$IO_L_R..?0..

```

Dump of file DRB0: (KB781) PHASE1A\_OB0:1 on 22-JUL-1987 11:38:38.16  
 File ID (19019,20,0) End of file block 39 / Allocated 39  
 Virtual block number 38 (00000026), 512 (0200) bytes

09/002,958

US PAT NO: 5,621,864 [IMAGE AVAILABLE] ANS: 1  
DATE ISSUED: Apr. 15, 1997  
TITLE: Label generation apparatus  
INVENTOR: Daniel A. Benade, Lakewood, CO  
Mack E. Johnson, Arvada, CO  
ASSIGNEE: Engineered Data Products., Inc., Broomfield, CO (U.S.  
corp.)  
APPL-NO: 08/706,922  
DATE FILED: Sep. 3, 1996  
REL-US-DATA: Continuation of Ser. No. 489,250, Jun. 14, 1995, which is  
a continuation of Ser. No. 797,457, Nov. 22, 1991.  
INT-CL: [6] G06M 15/00  
US-CL-ISSUED: 395/117, 761  
US-CL-CURRENT: 395/117; 707/500  
SEARCH-FLD: 395/101, 112, 115, 116, 117, 148, 149, 109; 400/63, 68, 76  
REF-CITED:

U.S. PATENT DOCUMENTS

|           |         |                 |         |
|-----------|---------|-----------------|---------|
| 4,553,860 | 11/1985 | Imaizumi et al. | 400/68  |
| 4,712,929 | 12/1987 | Kitaoka         | 395/117 |
| 4,718,784 | 1/1988  | Drisko          | 400/68  |
| 4,862,194 | 8/1989  | Uematsu         | 400/120 |
| 4,939,674 | 7/1990  | Price et al.    | 395/117 |
| 4,944,614 | 7/1990  | Tanaka          | 400/68  |
| 5,025,397 | 6/1991  | Suzuki          | 395/116 |
| 5,045,967 | 9/1991  | Igarashi        | 395/112 |

ART-UNIT: 266  
PRIM-EXMR: Arthur G. Evans  
LEGAL-REP: Duft, Graziano & Forest, P.C.

ABSTRACT:

The label generation apparatus of this invention enables the user to define a label of various sizes, shapes and characteristics, wherein each label in a series of labels includes unique indicia that individually identify each label according to any predefined sequence. These labels also contain template fields that vary according to the indicia printed thereon or any other predefined ordering. The label generation apparatus includes a template generation capability that enables the user to define a label format having one or more writable indicia fields. These one or more writable indicia fields can be used to provide each label with individual identifying indicia according to any predetermined sequence. The label generation apparatus also includes an indicia generation capability that produces the individual identification according to various characteristics that are specified by the user of this apparatus.

60 Claims, 19 Drawing Figures

```

D0FF1C56 5F4C8F4F 4924524F 460A0001 F8000288 70E2DDF8 1C565F4C 5F4F4924 $10 L V . P . . . . . FOR$10 L V . . . 000000
24524F46 0A0000FB FE1C565F 45544952 24524F46 0A0001FB FE1C0009 27C00306 . . . . . FOR$10 L V . . . . . FOR$ 000020
40AB9FFB 1C4C563F 45544952 5724524F 460C0001 F87E01CE FB1C444E 455F4F49 . . . . . FOR$10 L V . . . . . FOR$ 000040
AB000288 70E2DD4C AB000278 D0E2DEEB 585F4F49 24524F46 080001FB 48ABDF50 . . . . . FOR$10 L V . . . . . FOR$ 000060
5F4F4924 524F450A 0000F8FE 1C4C4E5F 585F4F49 24524F46 080001FB 48ABDF50 . . . . . FOR$10 L V . . . . . FOR$ 000080
E71C4653 5F455449 52572452 4E455F4F 460A0000 02FB02DD FC197F01 D0530002 8870E2D0 . . . . . FOR$10 L V . . . . . FOR$ 0000C0
4924524F 460A0001 F886DF56 000278D0 460A0000 02FB02DD FC197F01 D0530002 8870E2D0 . . . . . FOR$10 L V . . . . . FOR$ 0000E0
7A0104EF DFE1C44 4E455F4F 460A0001 F807D0C6 DF560002 78D0E2DE 001553D5 524F460A . . . . . FOR$10 L V . . . . . FOR$ 000100
5401D053 00028870 E2D0E51C 46335F45 54495257 24524F46 0C0002FB 03D0FC19 . . . . . FOR$10 L V . . . . . FOR$ 000120
D0E41C52 5F4C5F4F 4924524F 460A0001 F807D0C6 DF560002 78D0E2DE 001553D5 524F460A . . . . . FOR$10 L V . . . . . FOR$ 000140
000FBED 5453F3FA 1C525F4C 5F4F4924 524F460A 0001FB00 04F19CE5 40DF5085 524F460A . . . . . FOR$10 L V . . . . . FOR$ 000160
52572452 4F460C00 02FB02DD 5F4F4924 524F460A 0001FB00 04F19CE5 40DF5085 524F460A . . . . . FOR$10 L V . . . . . FOR$ 000180
4C5F4F49 24524F46 0A0001FB 53F3FA1C 4F492452 4F460A00 01F87ED4 FC1C565F 4F492452 . . . . . FOR$10 L V . . . . . FOR$ 0001A0
D00A006D 54000278 D0E5D0E0 FC190084 0105EEDF 01010157 62DE86F7 1C000278 . . . . . FOR$10 L V . . . . . FOR$ 0001C0
52572452 4F460C00 02FB02DD FC190084 0105EEDF 01010157 62DE86F7 1C000278 . . . . . FOR$10 L V . . . . . FOR$ 0001E0

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 File ID (19019,20,0) End of file block 39 / Allocated 39  
 Virtual block number 37 (00000025), 512 (0200) bytes

US PAT NO: 5,704,371 [IMAGE AVAILABLE] ANS: 1  
DATE ISSUED: Jan. 6, 1998  
TITLE: Medical history documentation system and method  
INVENTOR: Franziska Shepard, 1414 E. Main St., Santa Maria, CA 93454  
APPL-NO: 08/611,642  
DATE FILED: Mar. 6, 1996  
INT-CL: [6] G06F 15/42  
US-CL-ISSUED: 128/897  
US-CL-CURRENT: 128/897  
SEARCH-FLD: 128/897, 897, 364/413.02, 413.04, 413.14, 419.14  
REF-CITED:

| U.S. PATENT DOCUMENTS |                       |                 |            |
|-----------------------|-----------------------|-----------------|------------|
| 4,991,091             | 2/1991                | Allen           | 364/413.02 |
| 5,267,155             | 11/1993               | Buchanan et al. | 364/419.14 |
| ART-UNIT:             | 335                   |                 |            |
| PRIM-EXMR:            | Scott Getzow          |                 |            |
| LEGAL-REP:            | Daniel J. Meaney, Jr. |                 |            |

ABSTRACT:

A medical history documentation system and method for recording information relating to at least one of a designated patient's current medical condition, a physical examination, a diagnosis and a treatment plan is shown. The system includes a recording member having a plurality of discrete recording sections formed thereon programmed for recording information relating to the patient. The encoded indicia is communicated by a first person to a second person during a physical examination of the patient by the first person. An input member is used by the second person for recording medical information in the form of predetermined encoded indicia in applicable discrete recording sections of the recording member. A transcriber having a plurality of report section templates is used. Each report section template corresponds to a discrete recording section. Each of the report section templates comprise a plurality of optional text variable segments each of which are assigned to a selected one of the predetermined encoded indicia. The transcriber is operative to decode each one of the predetermined encoded indicia recorded on the recording member. An imaging device responsive to the transcriber prepares a patient's report specific to the designated patient. A method for using the system is shown.

33 Claims, 37 Drawing Figures

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File ID (6351,41,0) End of file block 9 / Allocated 9

Virtual block number 2 (00000002), 512 (0200) bytes

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0A0001F8 0CAB54D0 0CABDFF7 1C4C535F 44414552 24524F46 080001FB 02D00100
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E3E344DF 771C525F 4C5F4F49 24524F46 0A0001FB 0001A5D0 E344DF77 1C525F4C
4F460A00 01BF4FEC 77FCEB44 0001EBF7 EE160CEB 44DF771C 525F4C5F 4F492452
1C525F4C 5F4F4924 524F460A 0001EBF7 EE160CEB 44DF771C 525F4C5F 4F492452
FB000680 0CE344DF 771C525F 4F460A00 01FB0DAB DFB81C52 5F4C5F4F 4924524F
B2B4C5F 4F492452 4F460A00 000145C 54D1E31C 444E455F 4F492452 4F460A00
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D5B401D0 E81C4C53 5F444145 5224524F 7820E6D0 010156FF F63C00EB DE001652
525F4C5F 0A0001FB E6B452F3 54494E49 4C5F4F49 24524F46 FE1C444E 455F4F49
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14AB5500 801C5245 4D494545F 54494E49 4C5F4F49 24524F46 FE1C444E 455F4F49
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1CEB47D0 001357D5 0157FFEC CC3C44DF 540CABD0 F51C525F 4C5F4F49 24524F46
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US PAT NO: 5,267,155 [IMAGE AVAILABLE] ANS: 1  
 DATE ISSUED: Nov. 30, 1993  
 TITLE: Apparatus and method for computer-assisted document generation  
 INVENTOR: Ken Buchanan, Eagan, MN  
 John A. Dowdle, St. Paul, MN  
 ASSIGNEE: Medical Documenting Systems, Inc., St. Paul, MN (U.S. corp.)  
 APPL-NO: 07/847,292  
 DATE FILED: Mar. 6, 1992  
 REL-US-DATA: Continuation-in-part of Ser. No. 422,139, Oct. 16, 1989.  
 INT-CL: [5] G06F 15/21  
 US-CL-ISSUED: 364/~~419.14~~  
 US-CL-CURRENT: 707/540, 522, 530, 539  
 SEARCH-FLD: 364/~~419~~, 943, 943.1, 943.5, 957, 222.81, 222.82, 225.6,  
~~413.01~~

REF-CITED:

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| 4,794,386 | 12/1988 | Bedrij et al.    | 340/724    |
| 4,835,690 | 5/1989  | Gangarosa et al. | 364/413.13 |
| 4,839,822 | 6/1989  | Dormond et al.   | 364/413.02 |
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ART-UNIT: 231  
 PRIM-EXMR: Roy N. Envall, Jr.  
 ASST-EXMR: Jennifer L. Hazard  
 LEGAL-REP: Merchant, Gould, Smith, Edell, Welter & Schmidt

ABSTRACT:

A document generation system for enhancing or replacing the dictation and transcription process. More particularly, a computer-based documentation system is provided which processes document templates in conjunction with pre-defined character strings to generate user-defined reports or documents. Each document template is composed of "boiler plate" text and "holes". A system and method are described for controlling, via a relational database, the selection of pre-defined character strings to be



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39312D6C 754A2D32 32313002 4E49414D 24443245 53414850 0C040000 00000037 7
41560100 00160035 3432A3131 20373839 312D6C75 4A2D3232 35343A31 31203738 87
48500C00 00000100 BC13EC05 00163434 322D362E 34B6204E 41525452 4F462058 X
53204D45 4C424F52 50300000 0002E850 00010402 001E4E49 414D2444 32455341 P
4D214432 45534148 44412452 4546534E 41525410 BE13FD06 04011717 FD04001B 03455A49 P
53458244 44412452 18001388 0C020600 000003FC 50001388 24020602 03E20053 S
06180013 881C0206 0EFC1B00 13882002 06180001 000003FC 1B120104 010E0006 .
FC1B0401 04010E00 0EFC1B00 18001388 18020600 000003FC 008E0800 04F01B00 .
13881402 06180013 88D40206 18001388 04000000 00000000 01FB02DD 5F4F4924 .
13880002 06DE48FC FD500000 04000000 04000000 00000000 008E0800 04F01B00 .
524F460A 0001FB68 DFFC1C4C 535F4441 FB04AB0F 4F468B00 01FB02DD 5F4F4924 .
DEFB1C52 5F4C5F4F 4924524F 460A0001 525F4C5F 4F468B00 01FB02DD 5F4F4924 .
4F492452 4F460A00 0DFB5208 44414552 24524F46 080001FB 02DDFC1C 444E455F .
53F11C00 0304DEFF 1C4C4E5F 585F4F49 24524F46 080001FB 02DDFC1C 444E455F .
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00310314 56055601 D0555C04 ABC1EC1C 444E455F 4F492452 4F460A00 00FB5404 .

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Dump of file DRB0:[K878]PHASE2D.0B0:1 on 22-JUL-1987 11:55:19.61  
 File ID (5351,41.0) End of file block 9 / Allocated 9  
 Virtual block number 1 (00000001), 512 (0200) bytes

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PHASE2D$MAIN.0122-Jul-19 000000
87 11:45:22-Jul-1987 11:45:00 VA 000020
X FORTRAN V4.6-244... PH 000040
ASE2D$MAIN... P... PROBLEM S 000060
I Z E = TIME... TRANSFER$ADDRES 000080
A I N... P I... 0000A0
S... P I... 0000C0
... 0000E0
... 000100
... 000120
... 000140
... 000160
... 000180
... 0001A0
... 0001C0
... 0001E0

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inserted into document template "holes". A second method is described for inserting user-defined or concatenated character strings into selected document template "holes".

27 Claims, 22 Drawing Figures

US PAT NO: 4,991,091 [IMAGE AVAILABLE] ANS: 2  
DATE ISSUED: Feb. 5, 1991  
TITLE: Self-contained examination guide and information storage  
and retrieval apparatus  
INVENTOR: Gregory Allen, 411 S. Woodward #526, Birmingham, MI 48011  
APPL-NO: 07/235,154  
DATE FILED: Aug. 23, 1988  
INT-CL: [5] G06F 15/42  
US-CL-ISSUED: 364/413.02, 200  
US-CL-CURRENT: 600/301, 128/920, 345/33, 87, 179, 352, 961, 364/222.81,  
222.82, 224.5, 224.6, 225, 225.4, 237.2, 237.5, 237.82,  
237.85, 273.5, DTS.1  
SEARCH-FLD: 364/413.02, 200, 900  
REF-CITED:

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"Better Care, Shorter Stays, Thanks to Networking", Data Communications, Nov. 1986, Principi et al., Nov. 1986.

ART-UNIT: 238  
PRIM-EXMR: Michael R. Fleming  
ASST-EXMR: Gail O. Hayes  
LEGAL-REP: Barnes, Kisselle, Raisch, Choate, Whittemore & Hulbert

ABSTRACT:

Self-contained examination guide and information storage apparatus comprising a flat rectangular enclosure having a front panel with first display arrays along side edges of the front panel associated with a plurality of general patient examination categories, and an LCD centrally positioned on the front panel and configured to comprise a plurality of individually controllable display segments. A microprocessor-based controller includes a light pen for reading bar codes on the enclosure front panel and thereby selecting among the general examination categories. A microcontroller memory has prestored sets of specific examination indicia associated with each of the general examination categories, and is responsive to the category-selection process for retrieving from memory a specific set of examination indicia associated with selected general examination category. The light pen is then employed to scan bar code arrays adjacent to the specific examination indicia at each LCD segment for identifying specific indicia of interest and loading corresponding indicia information into microcontroller

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**Phase 2**

memory. Information stored may be selectively downloaded to a central computer for processing and generation of records for the patient files.

37 Claims, 4 Drawing Figures

